

FIG. 1

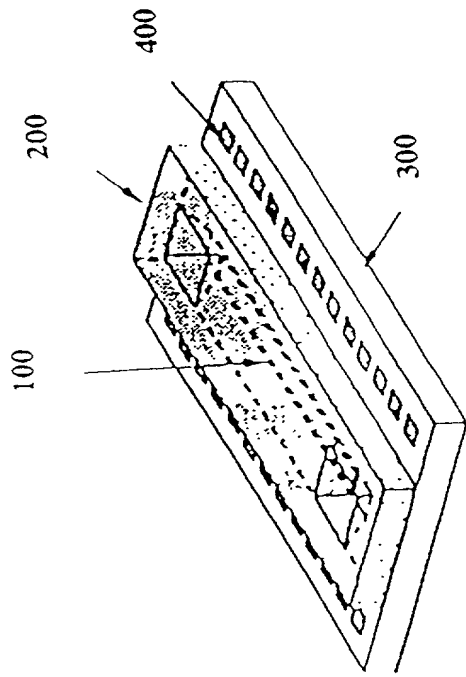


FIG. 2

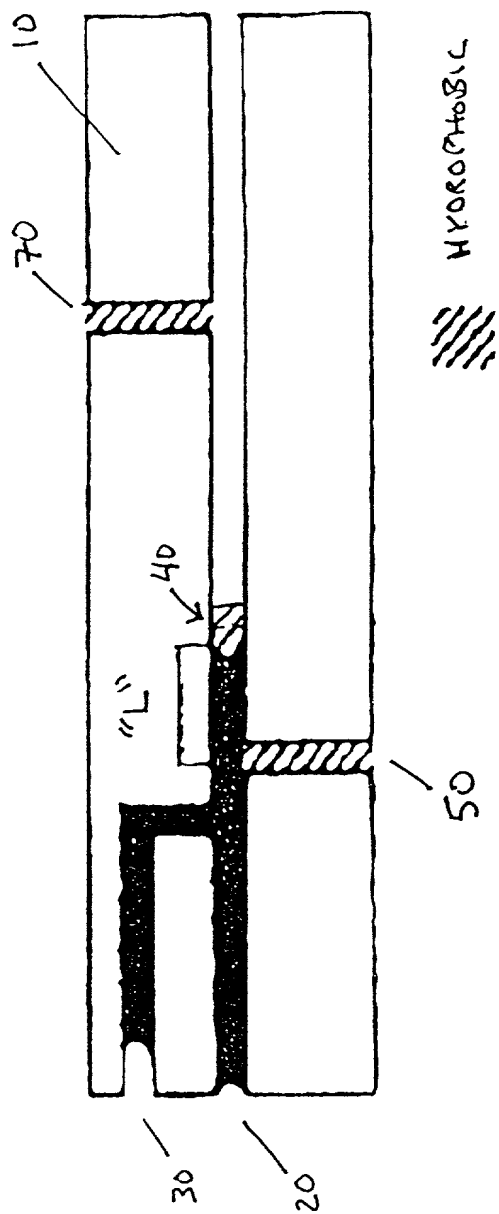


FIGURE 3A

FIG. 3B is a cross-sectional view of the device of FIG. 3A, showing the device in a state of use. The device is shown in a state of use, with the fluid being drawn into the chamber 10. The fluid is shown being drawn into the chamber 10, and the fluid is shown being drawn into the chamber 10.

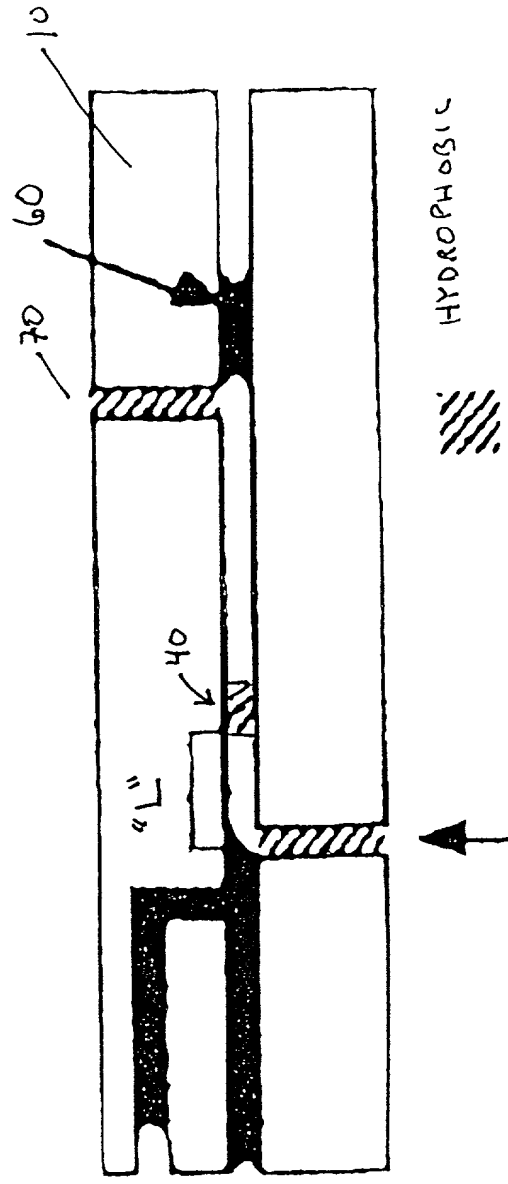


FIGURE 3B

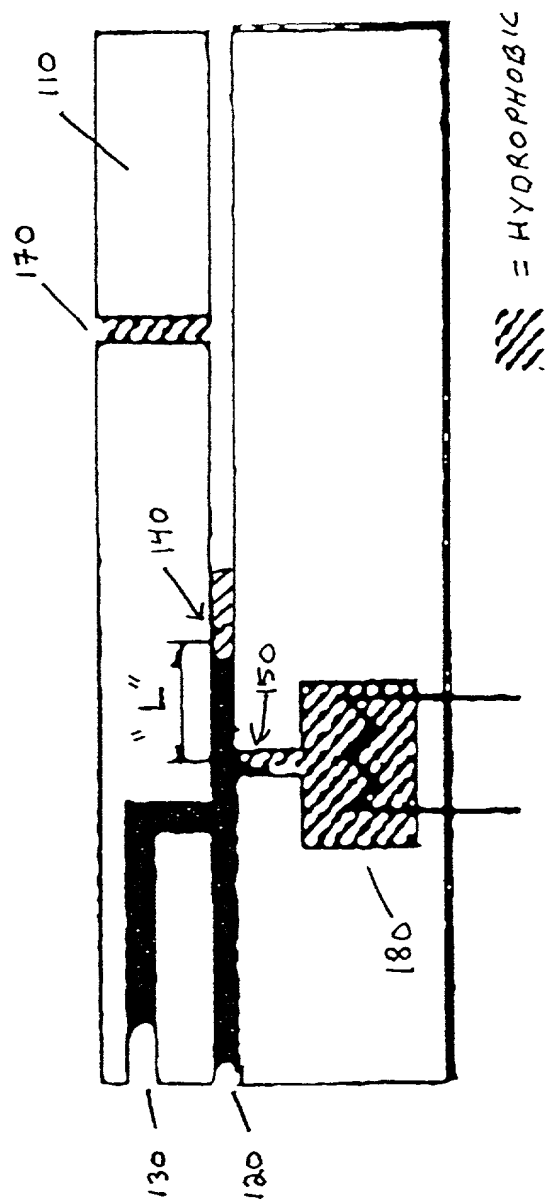


FIGURE 4A

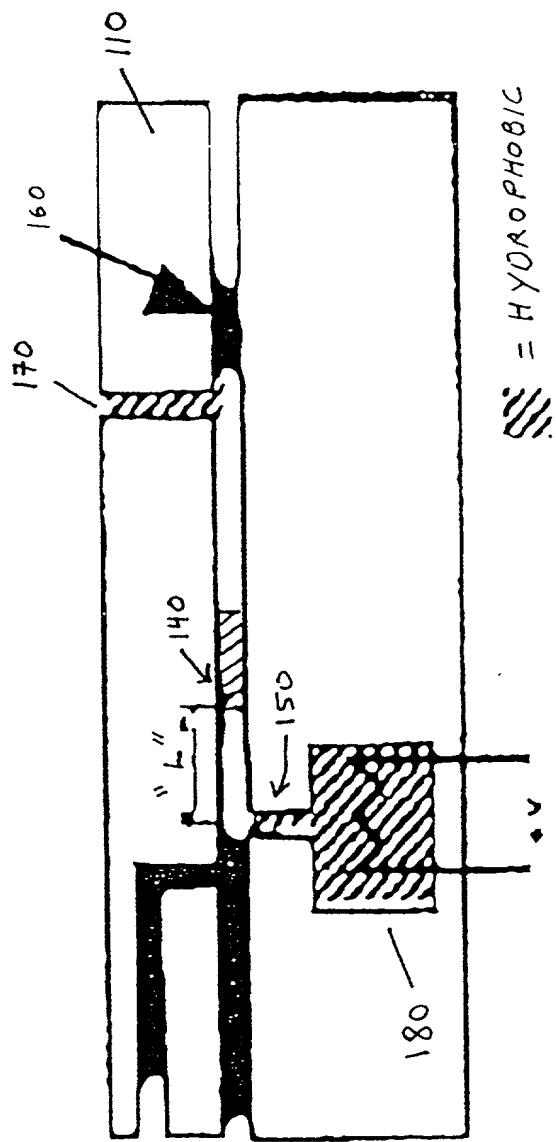


FIGURE 4B

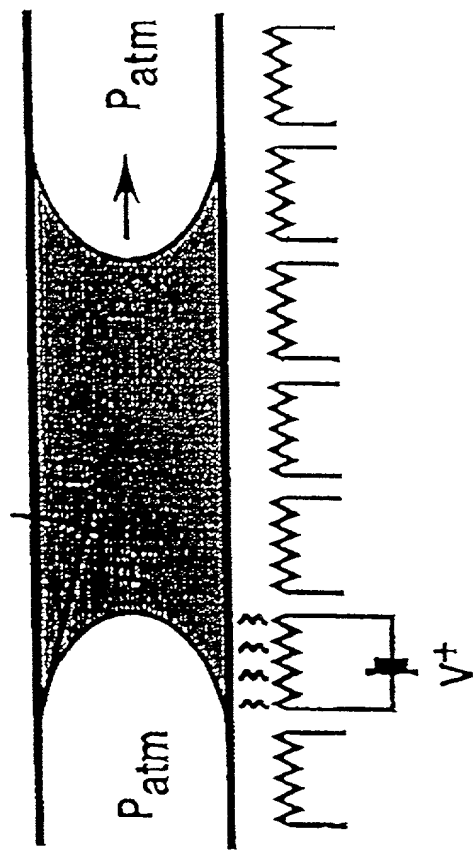


FIGURE 5

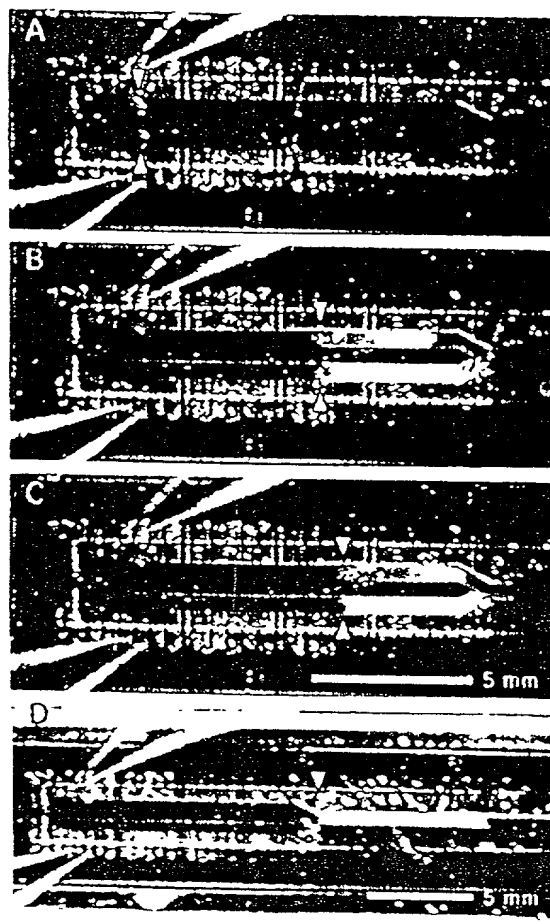


FIGURE 6

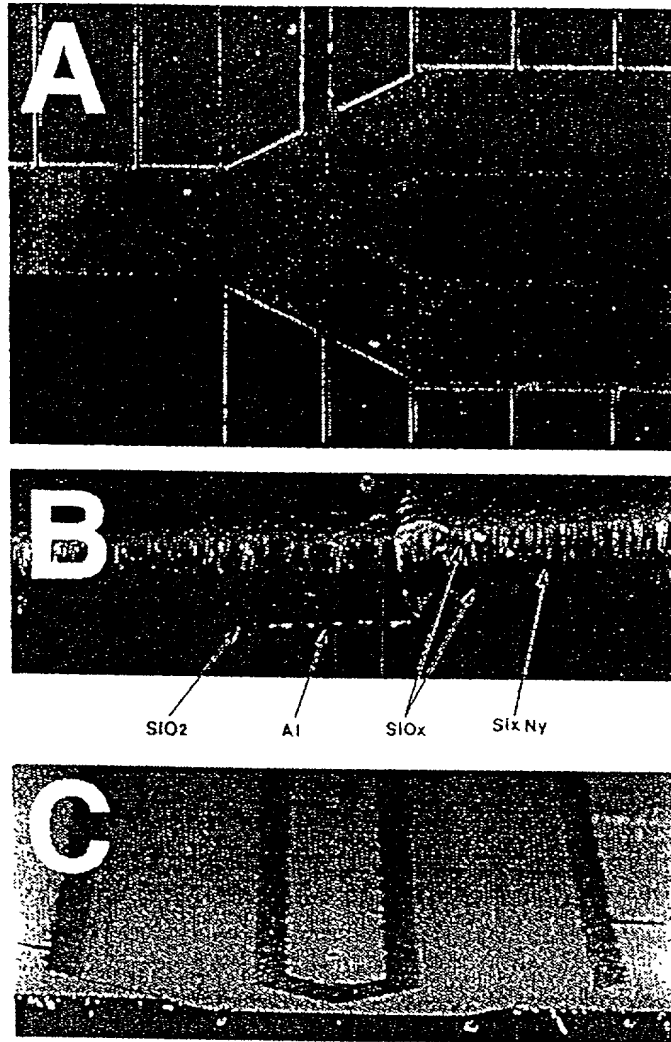


FIGURE 7

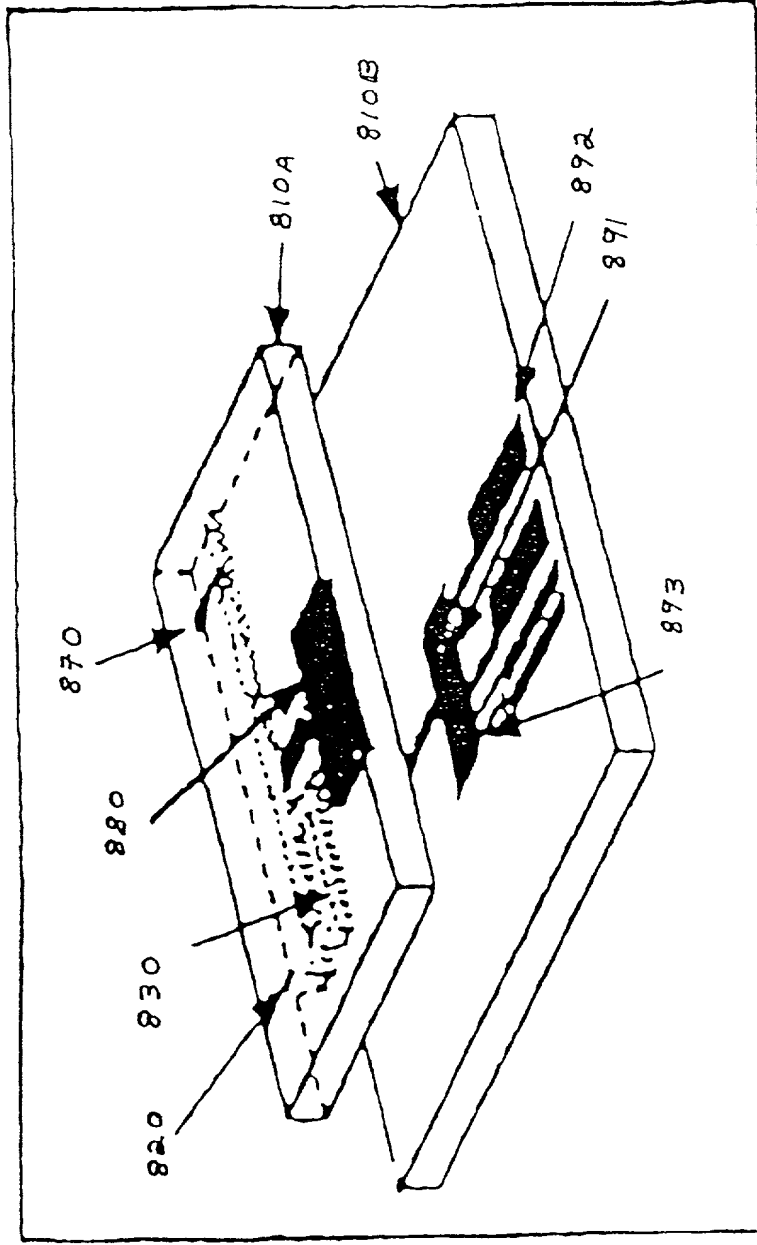


FIGURE 8A

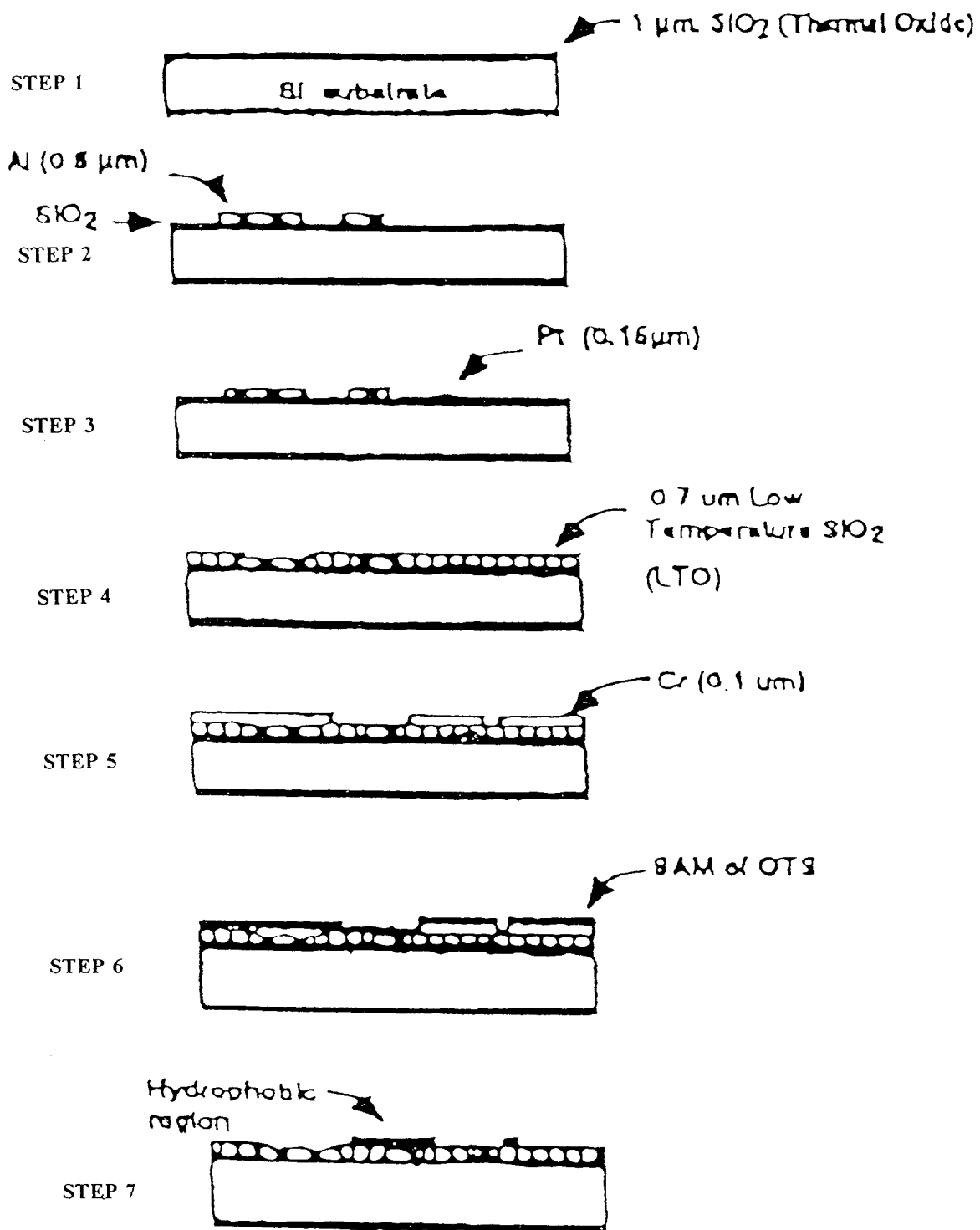


FIGURE 8B

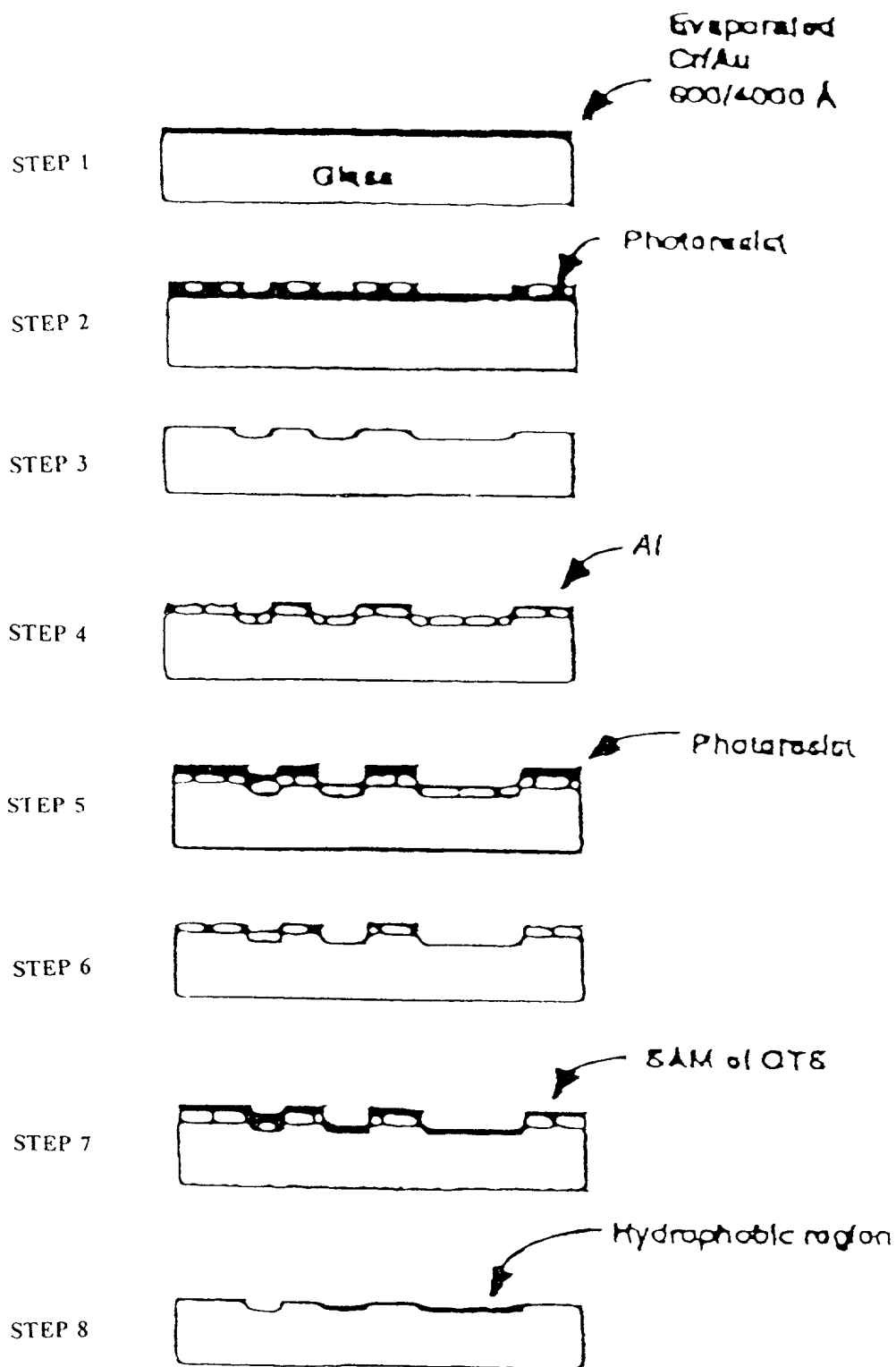


FIGURE 8C

Downloaded from www.sagepub.com at UNIV OF CALIF SDG on June 11, 2015

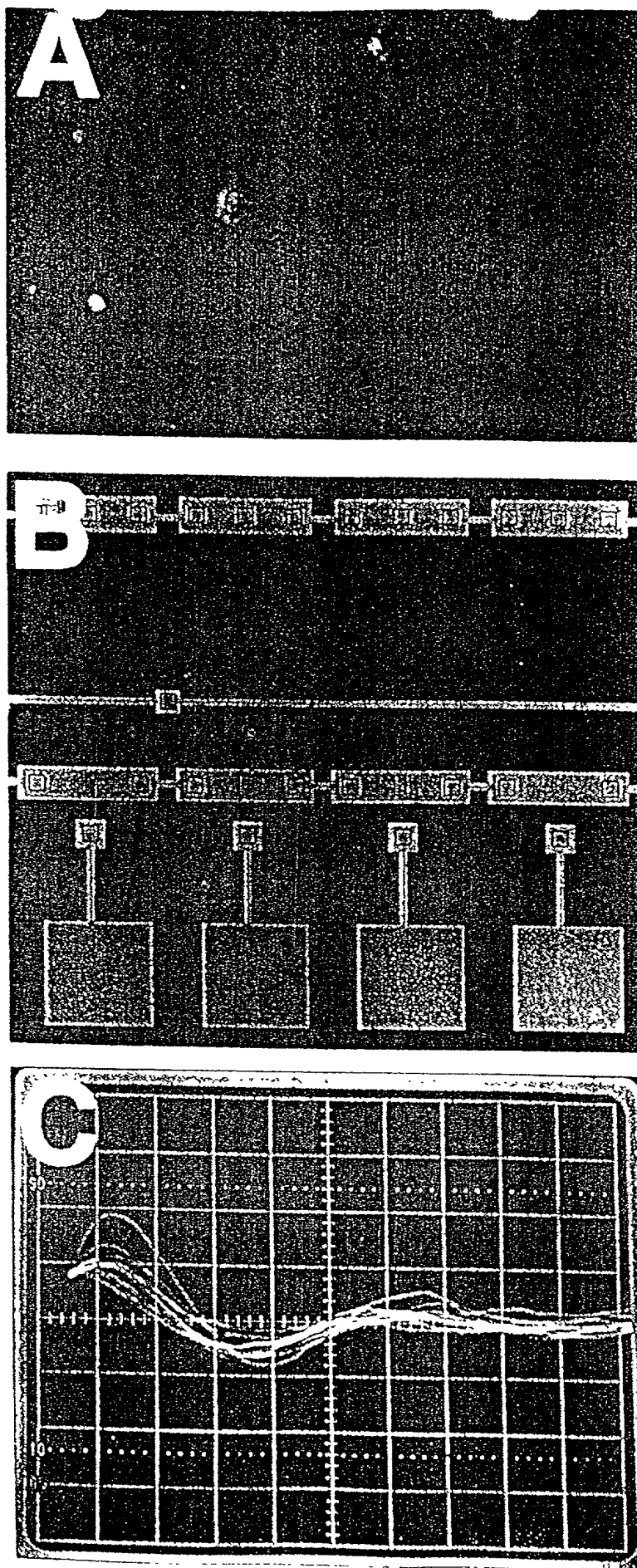
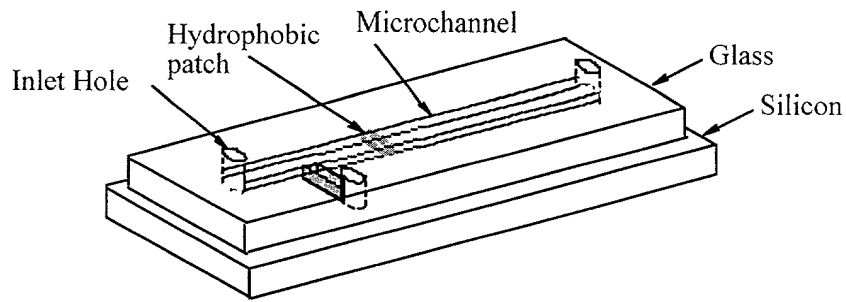
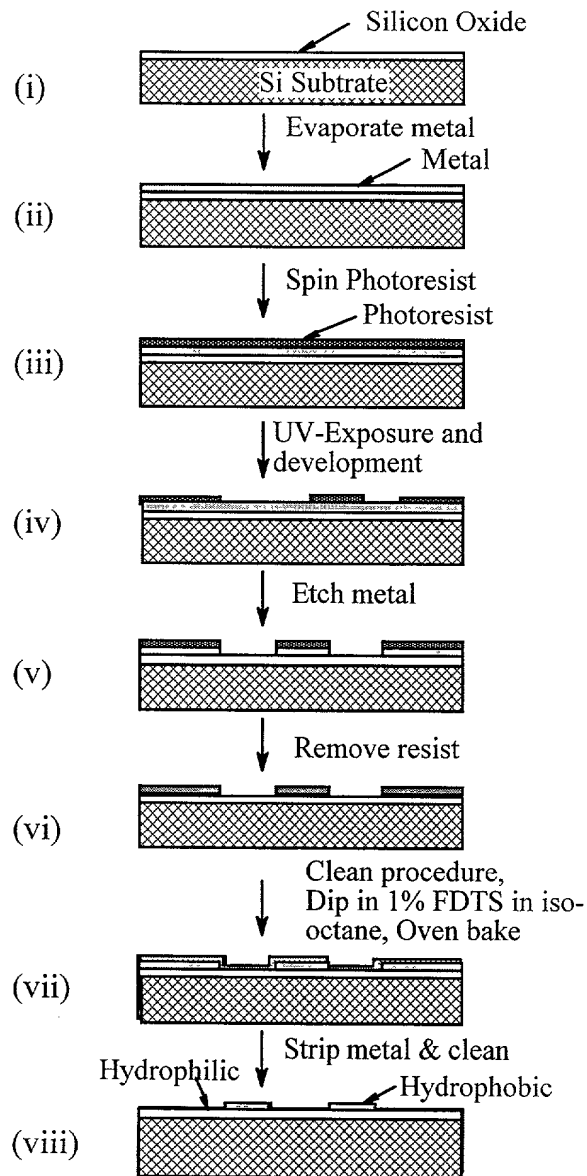


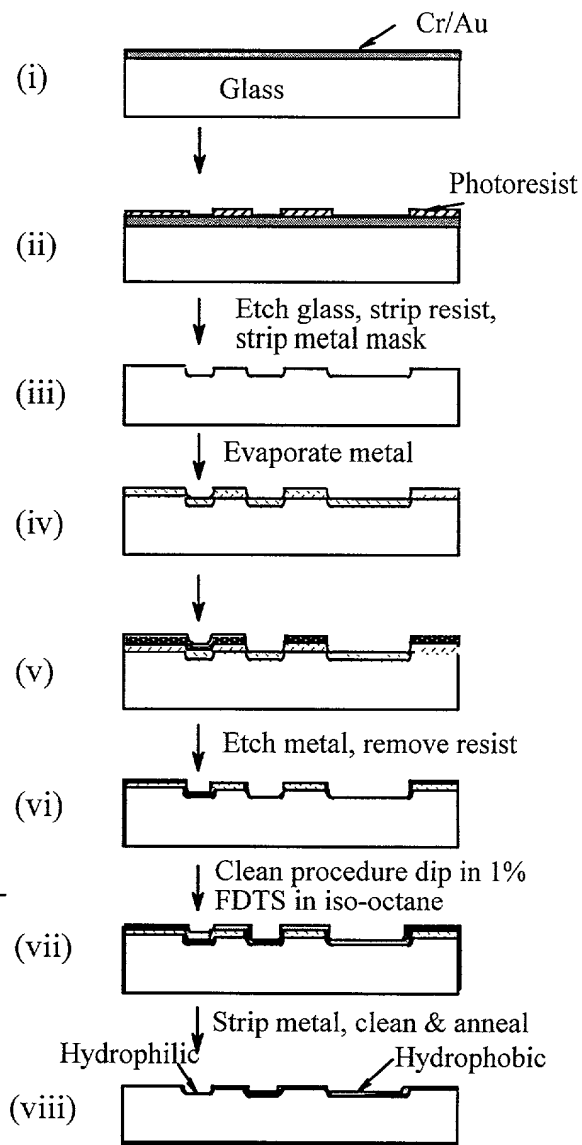
FIGURE 9



(a)

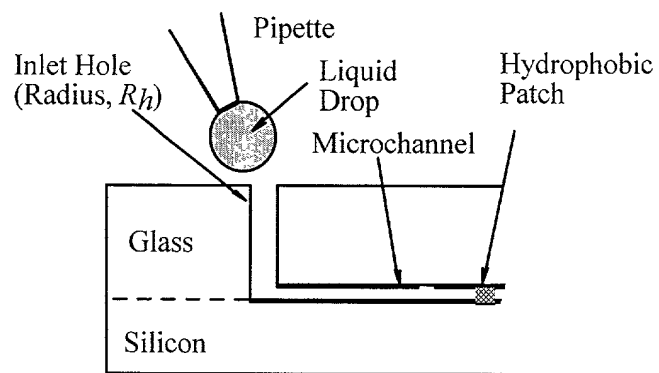


(b)

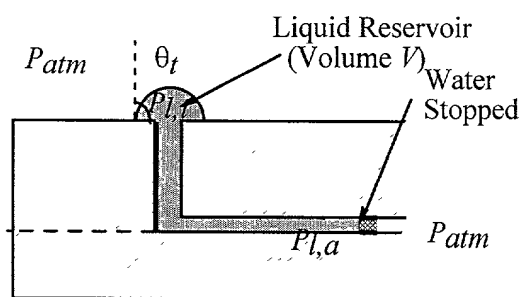


(c)

Figure 10

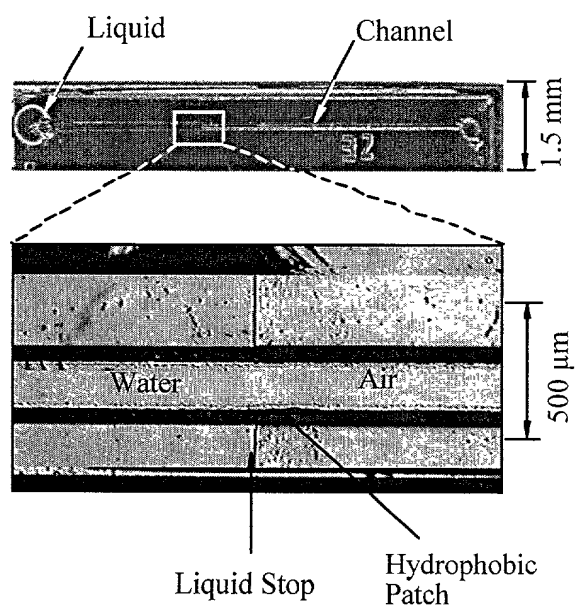


(i)



(ii)

(a)



(b)

Figure 11

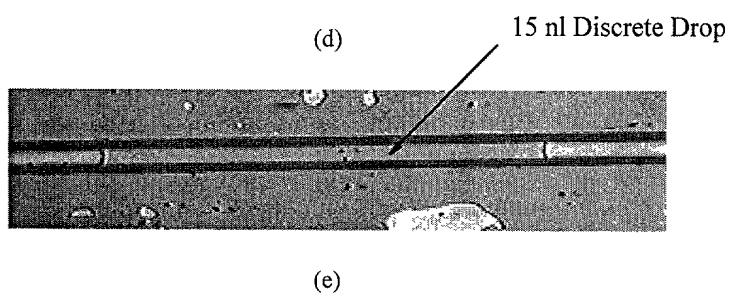
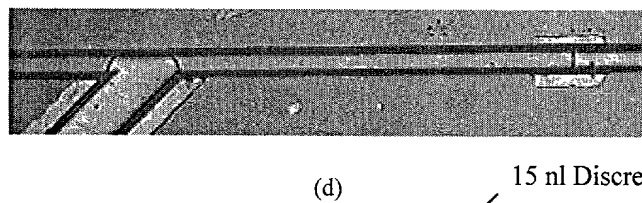
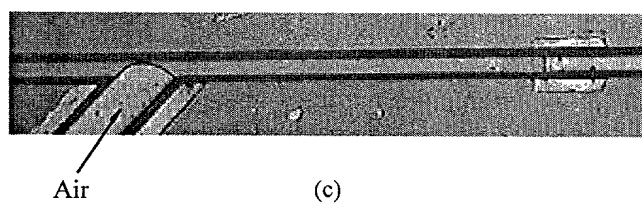
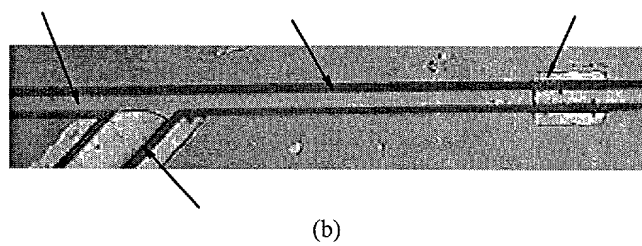
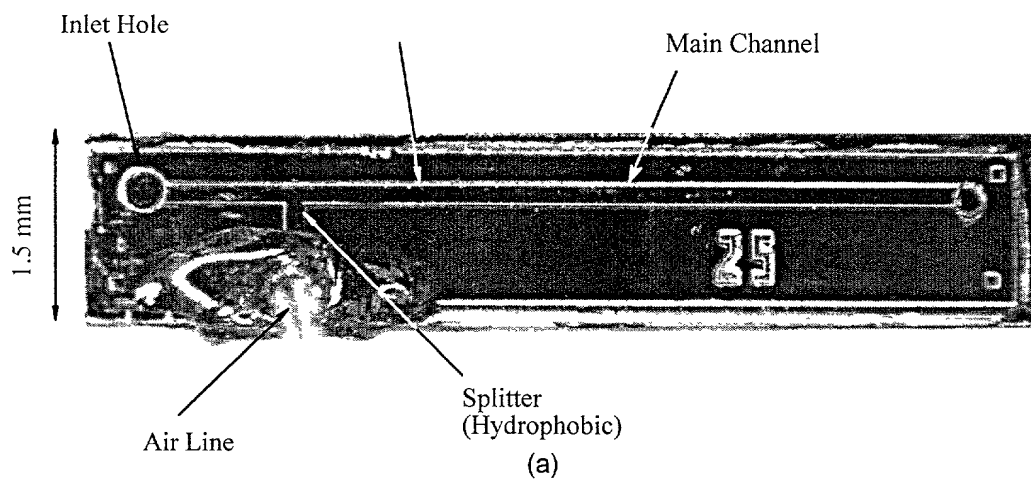
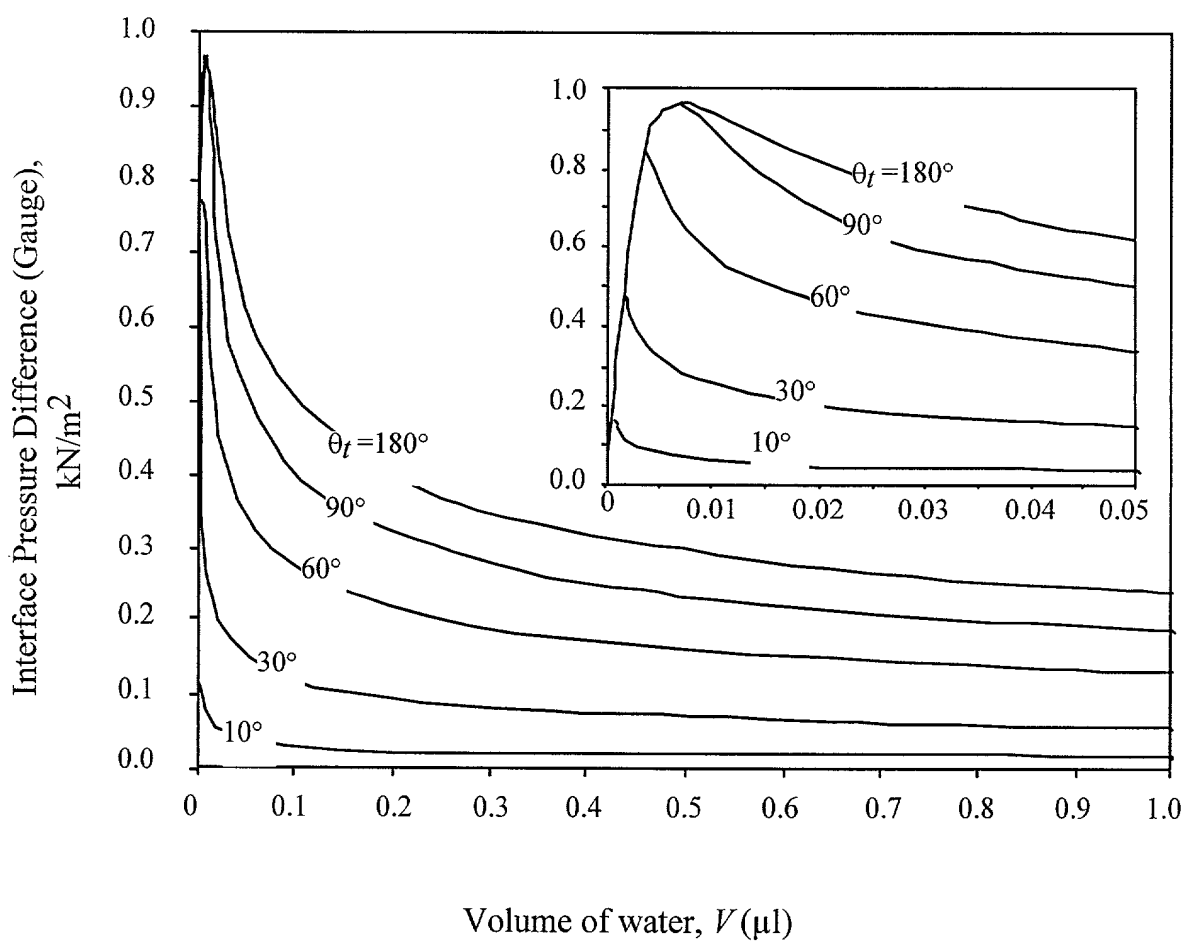
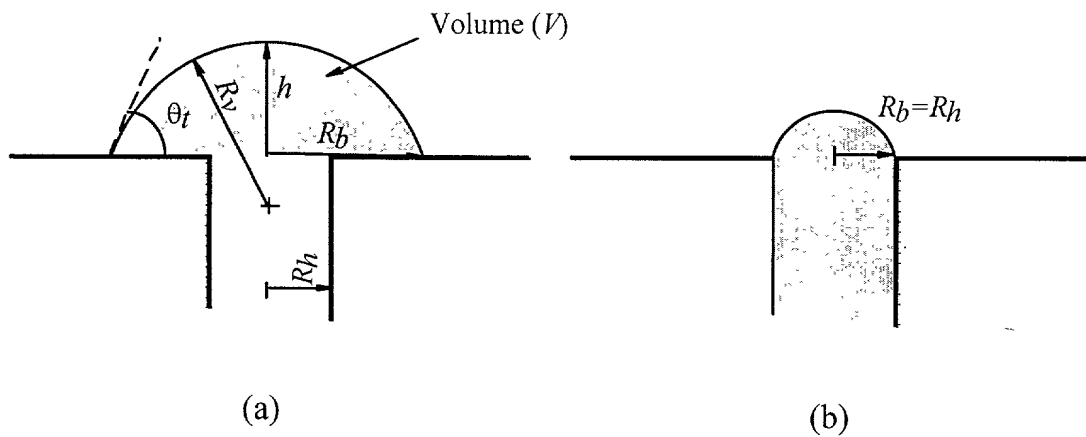
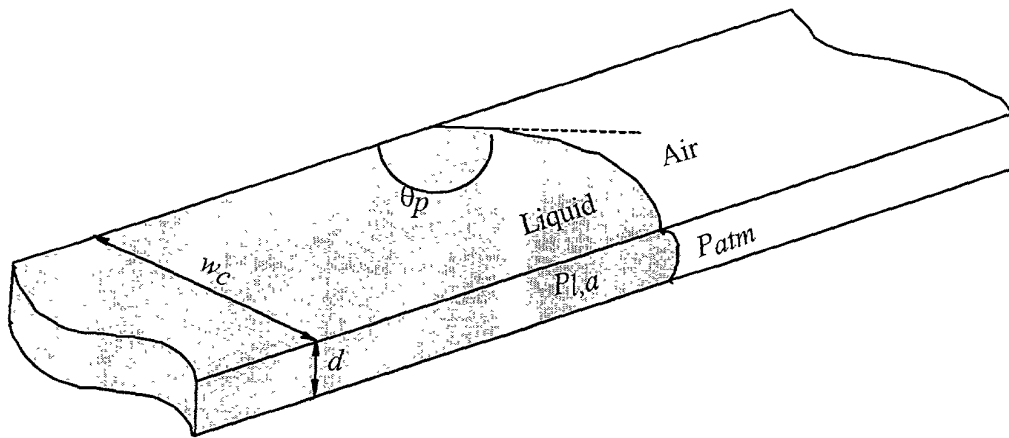


Figure 12

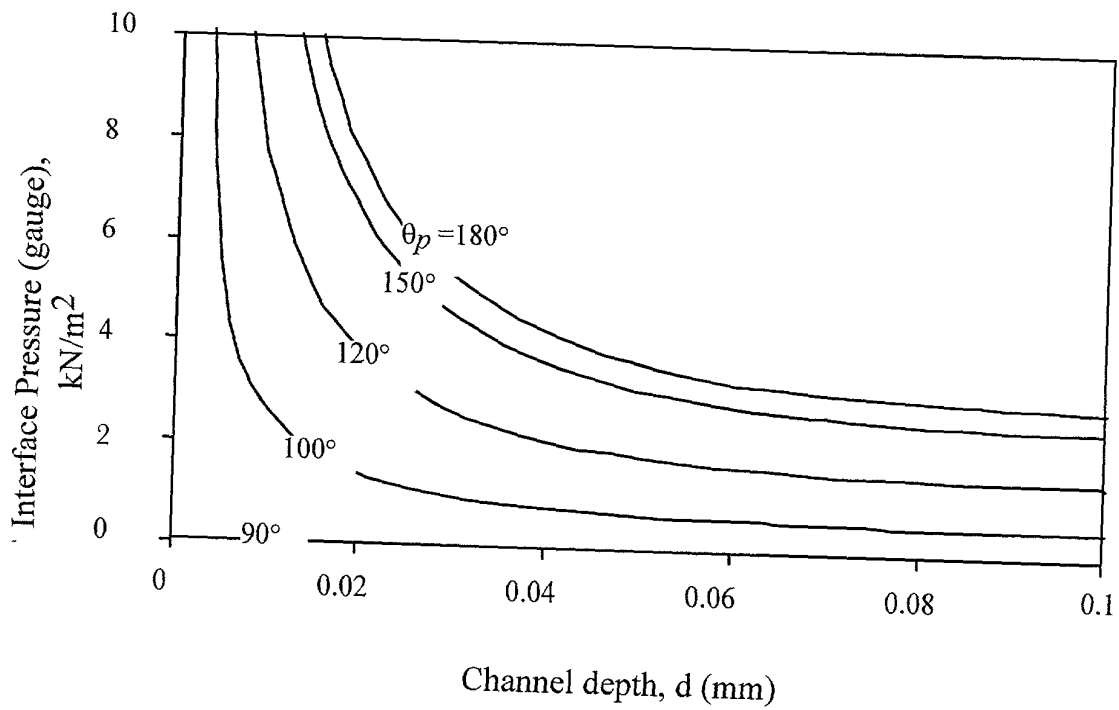


(c)

Figure 13



(a)



(b)

Figure 14

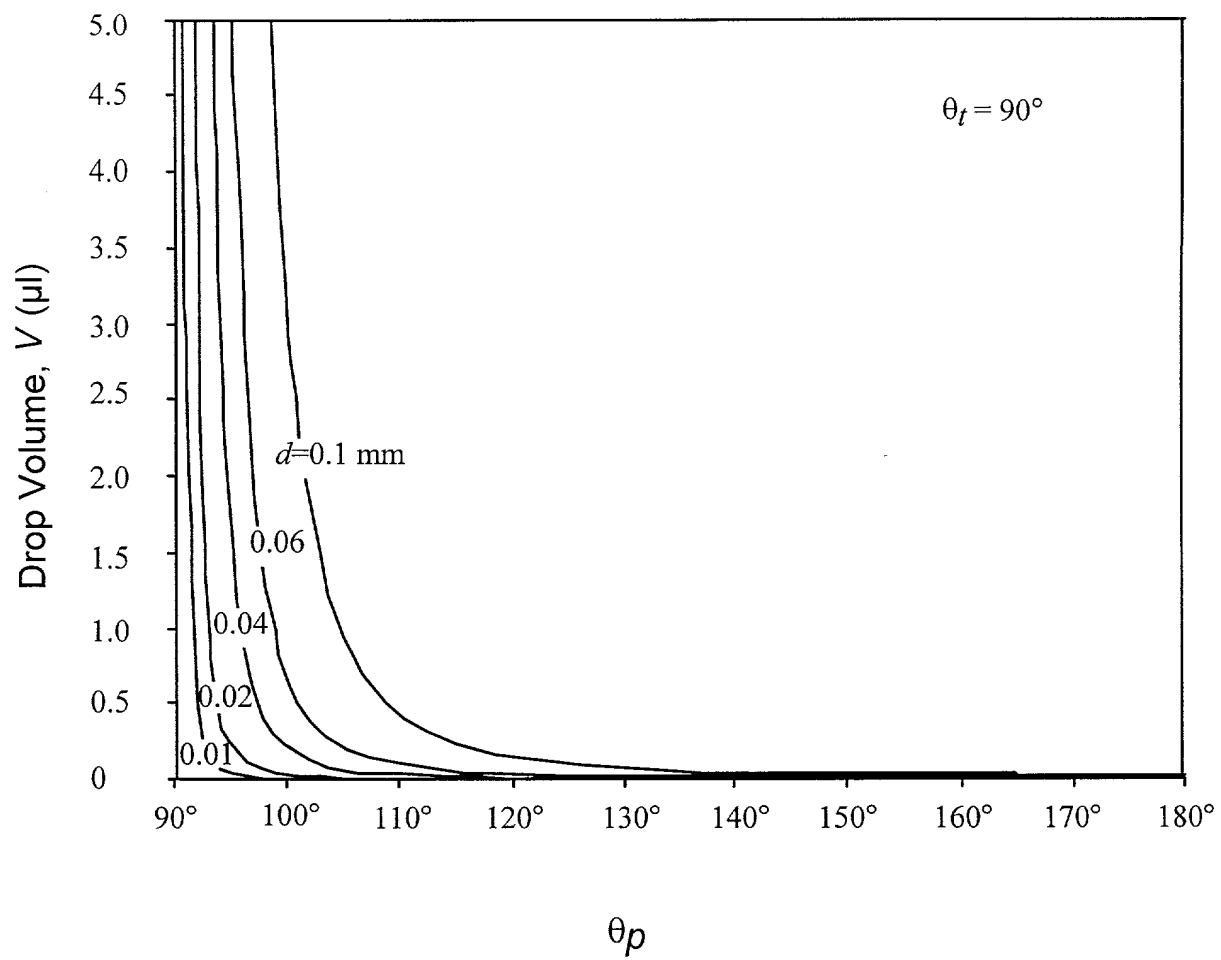
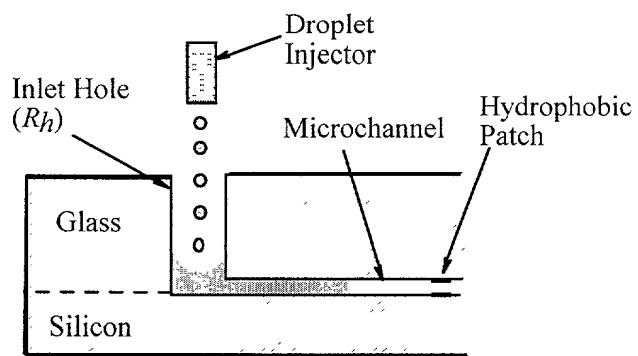
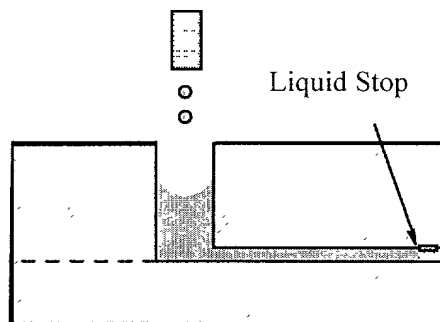


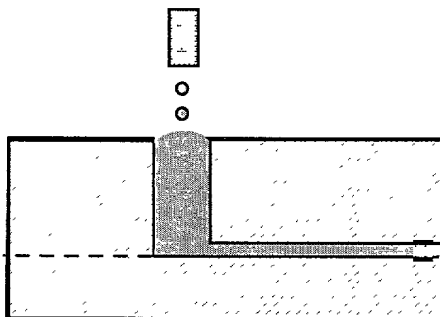
Figure 15



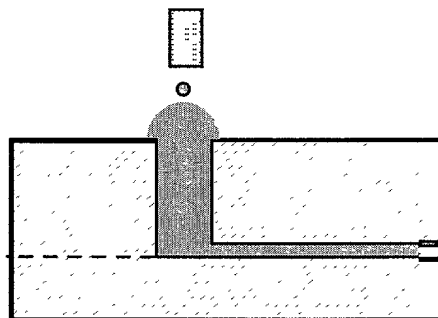
(a)



(b)

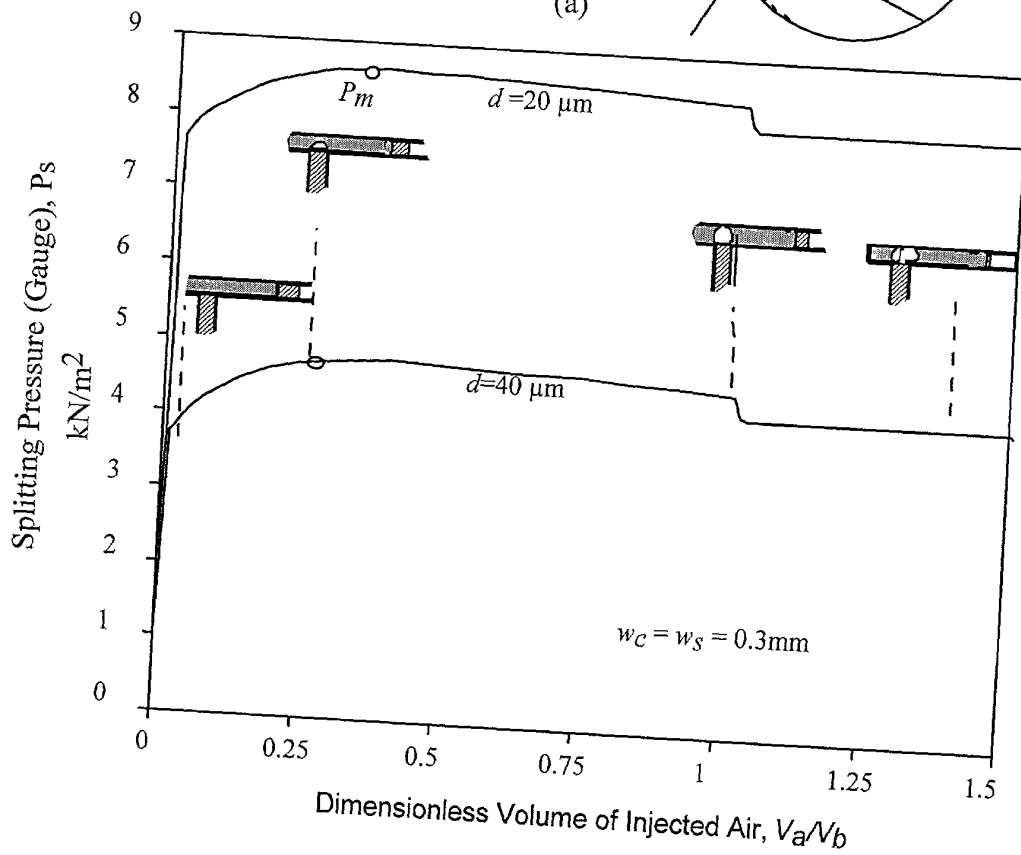
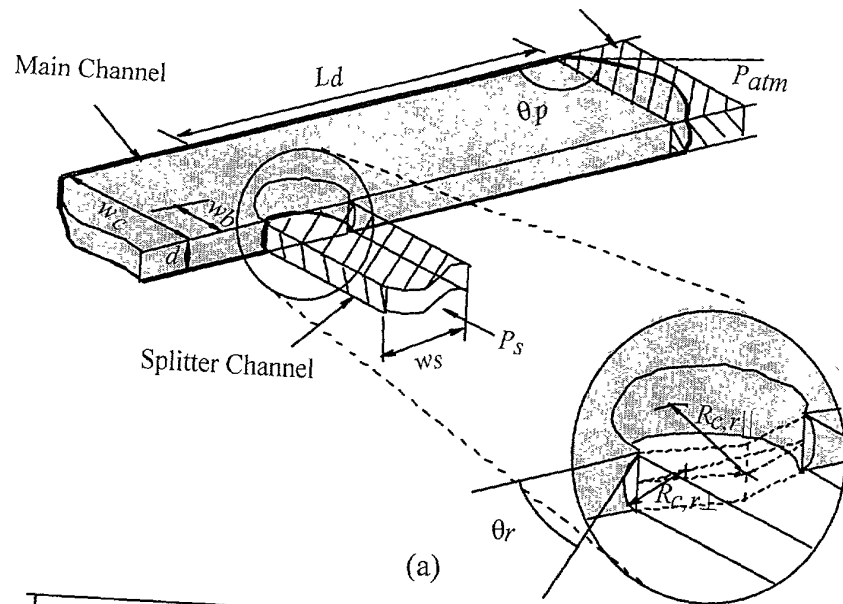


(c)



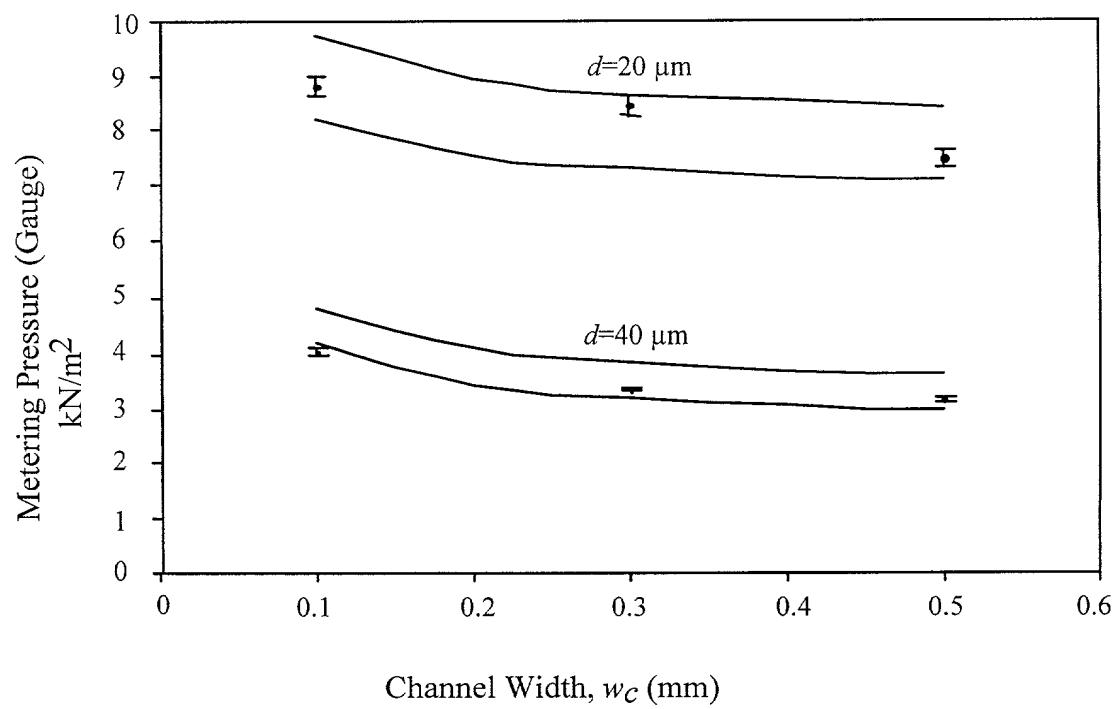
(d)

Figure 16

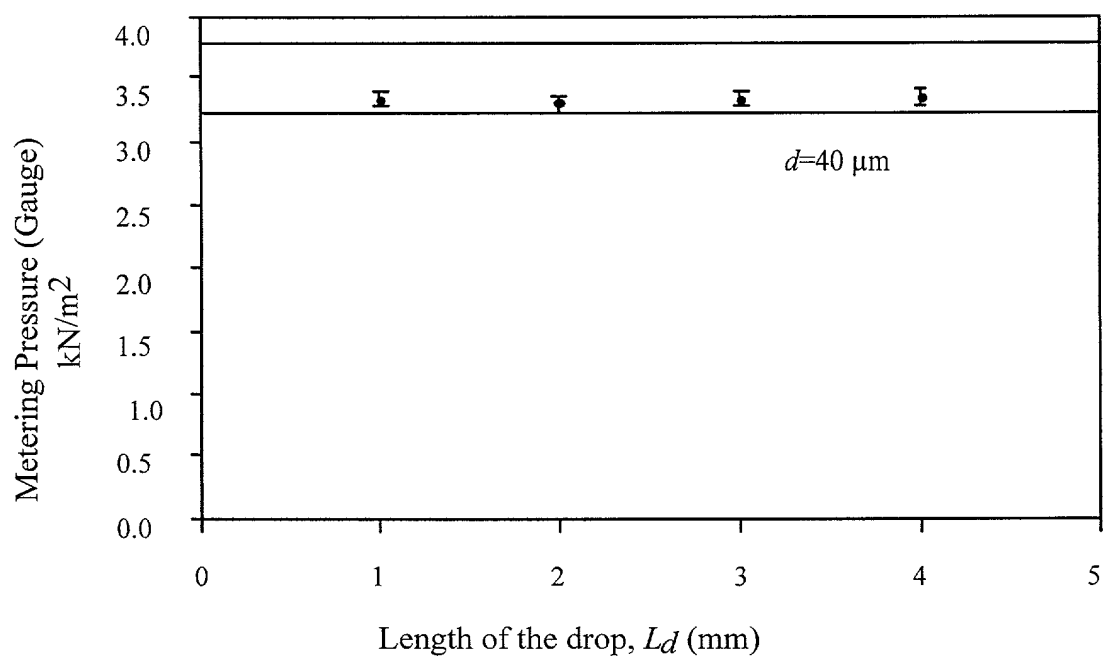


(b)

Figure 17



(a)



(b)

Figure 18

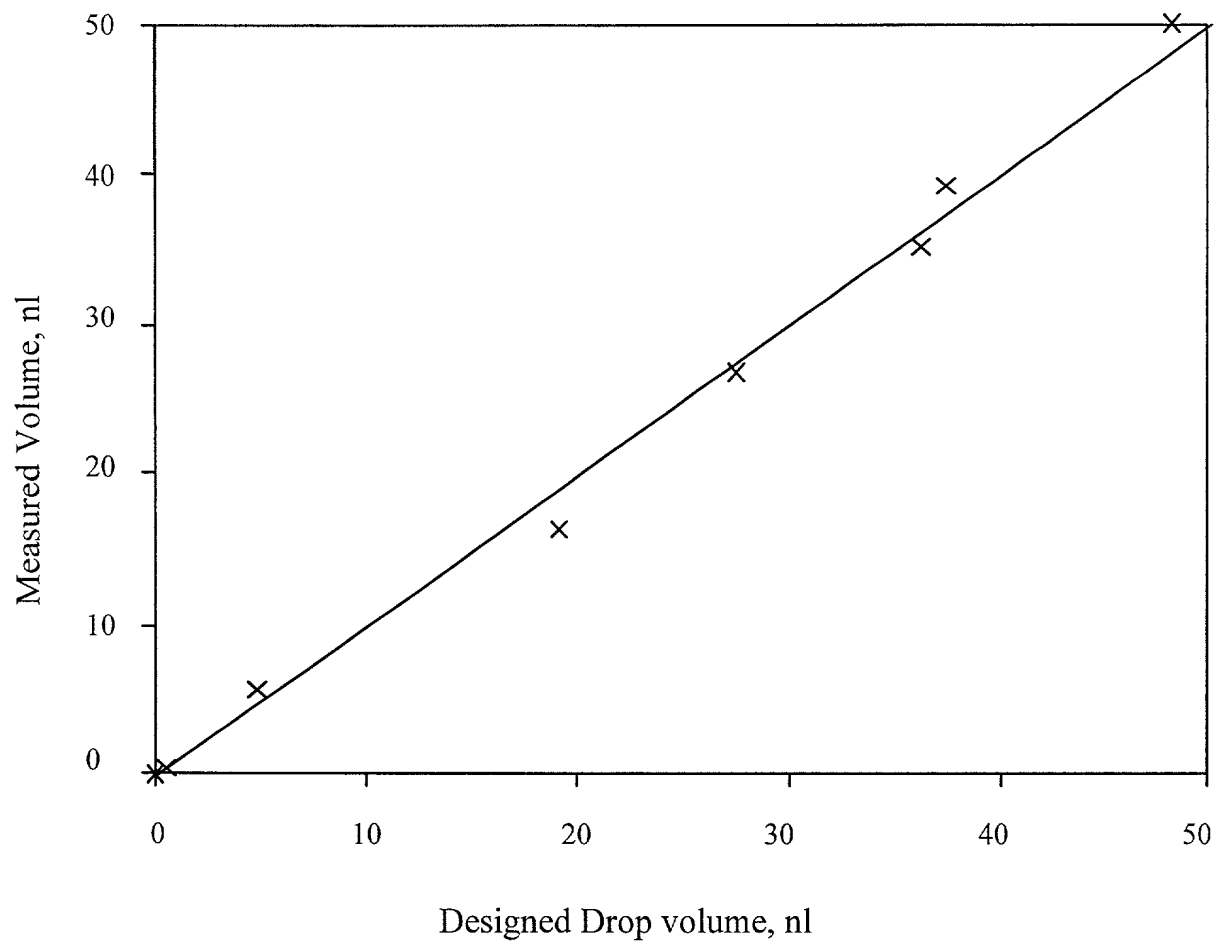


Figure 19

PCR Results with Standard Reagent Amounts

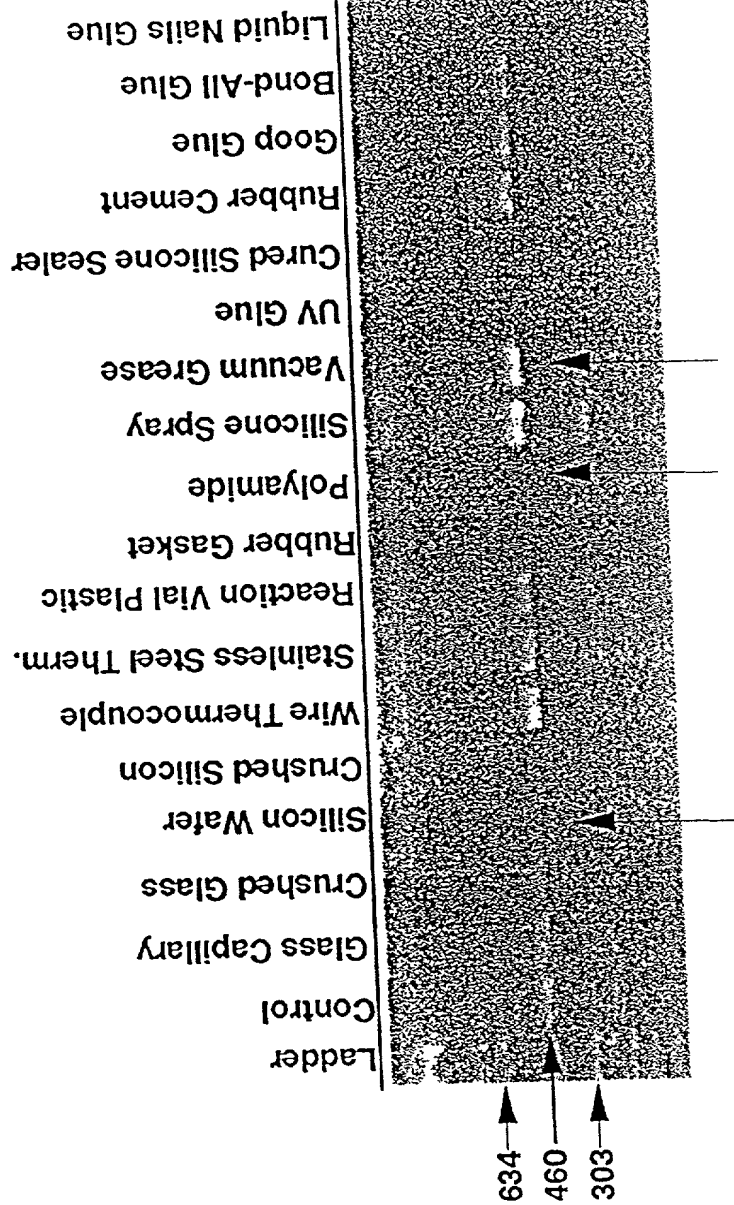


FIGURE 20

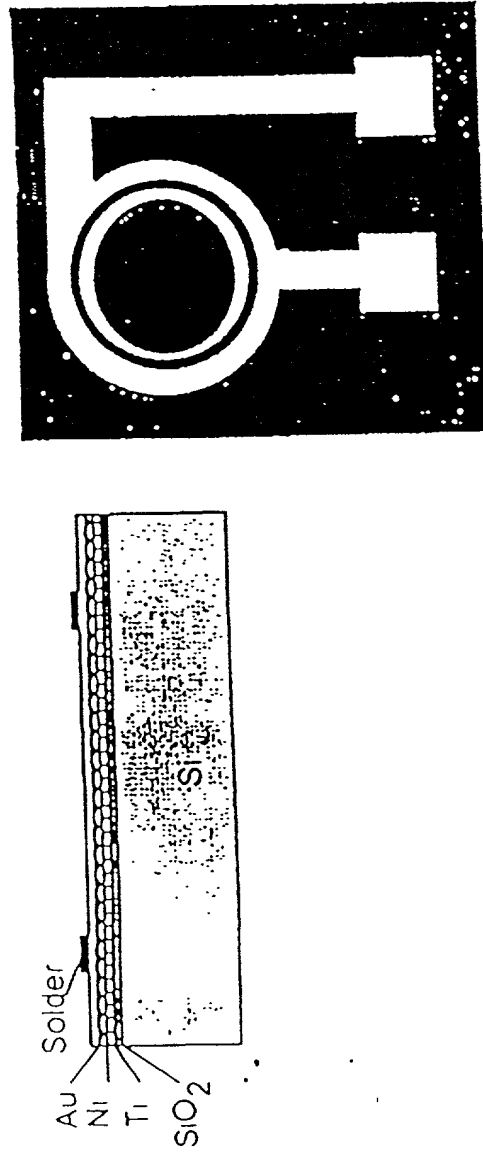


FIGURE 21

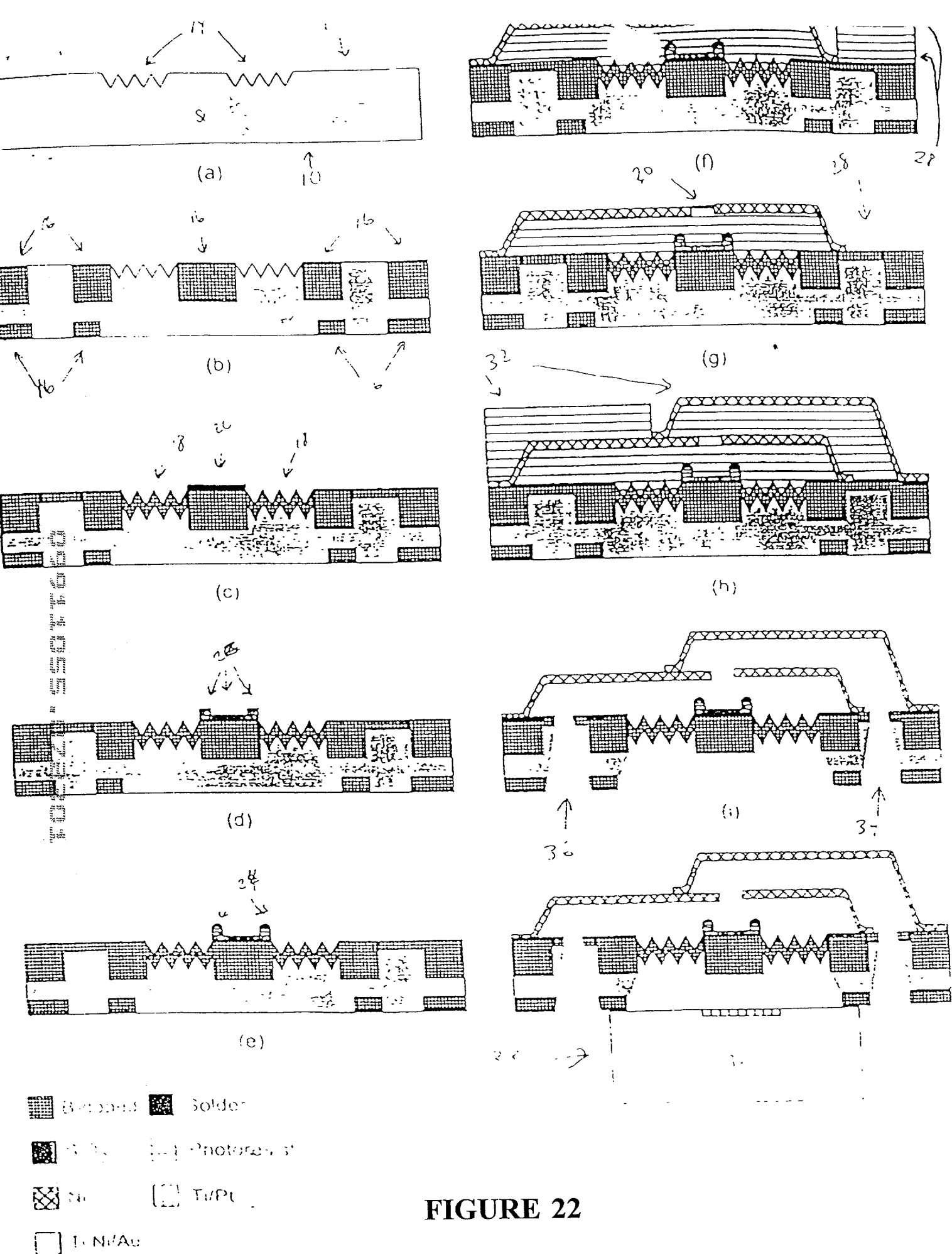


FIGURE 22

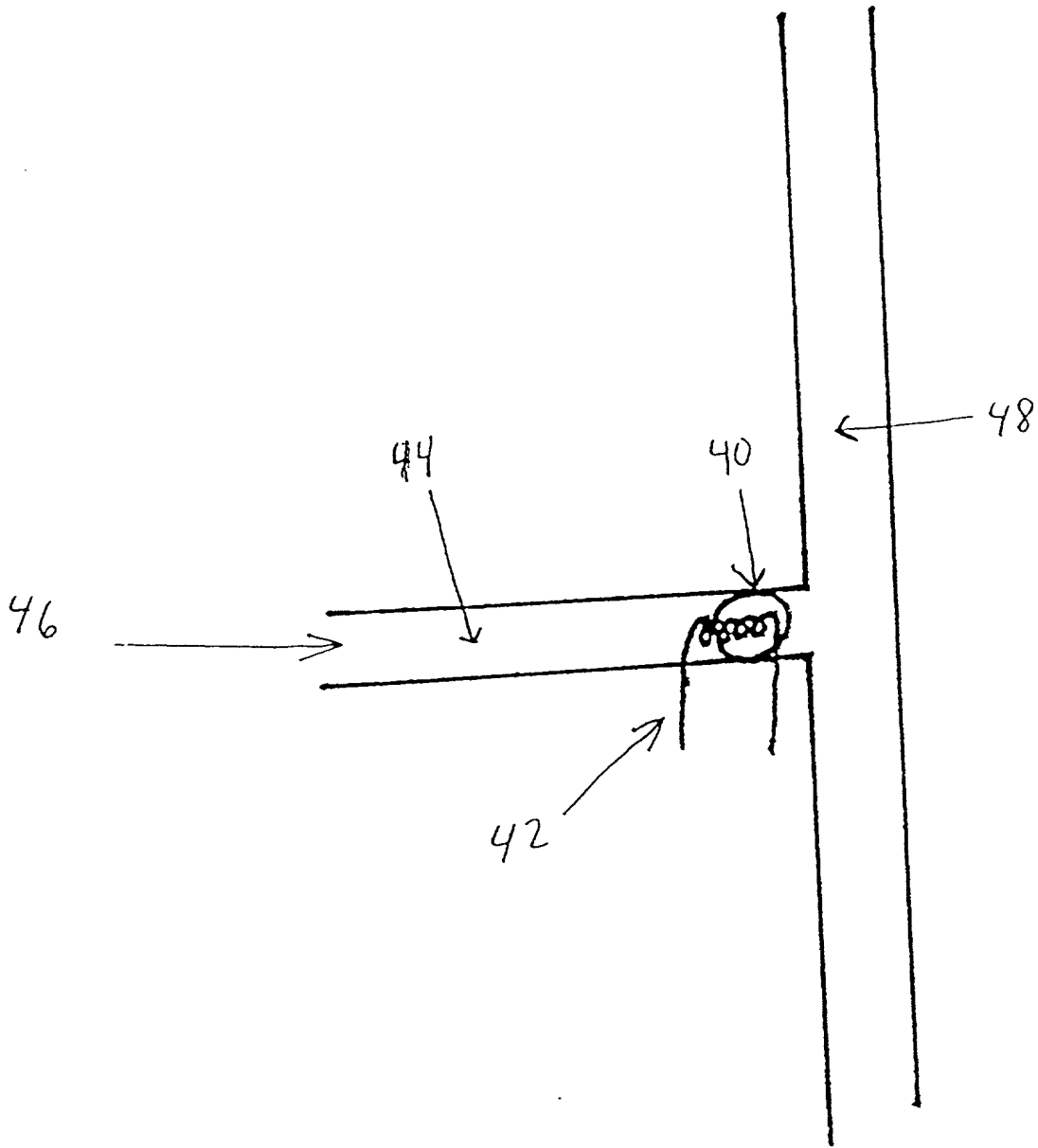


FIGURE 23

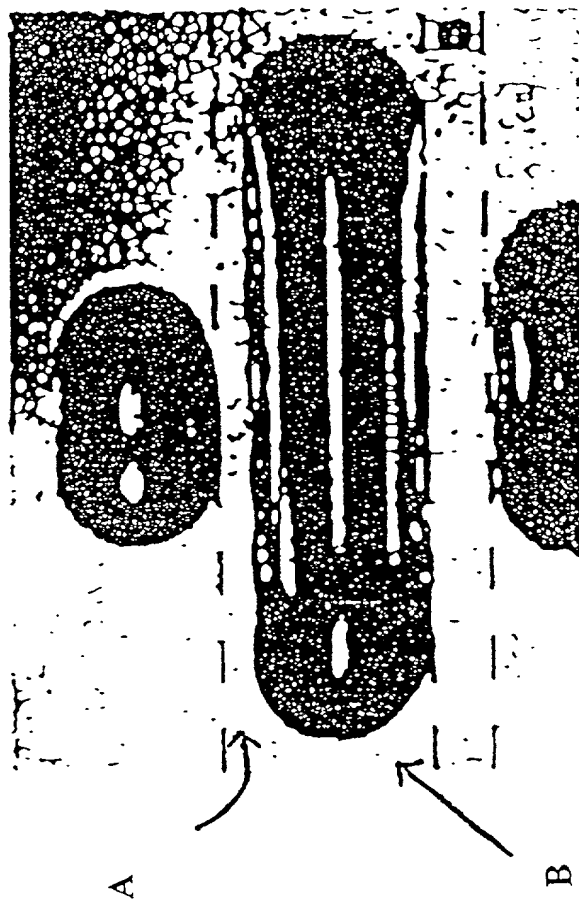
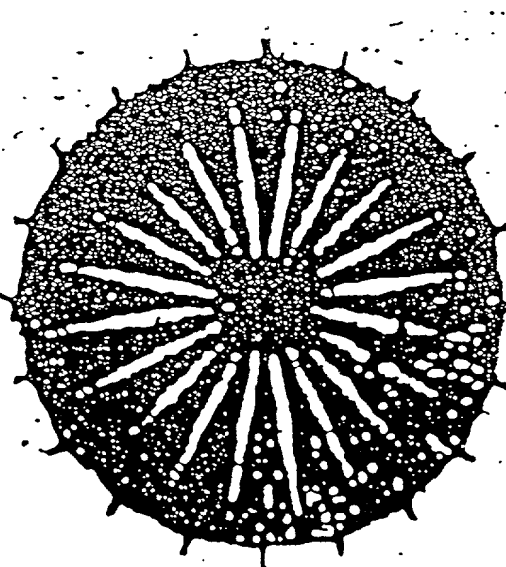


FIGURE 24

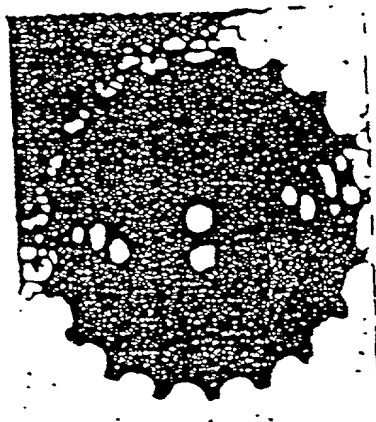
Hydrophobic
(gray region)

Hydrophilic
(white region)

A



B



C



FIGURE 25

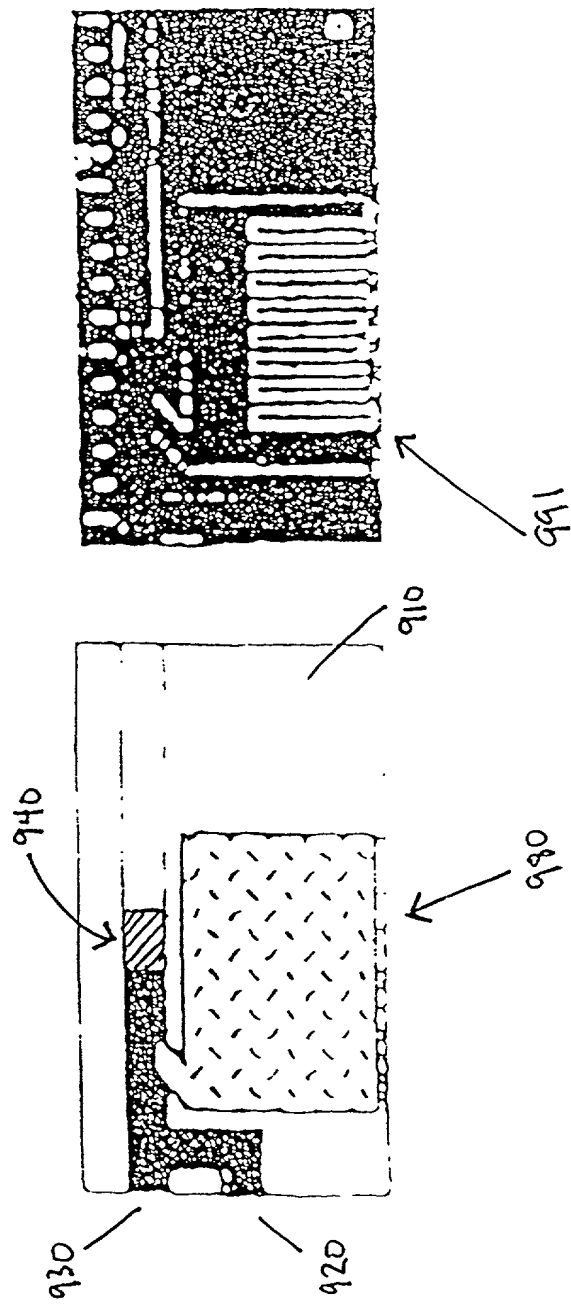


FIGURE 26A

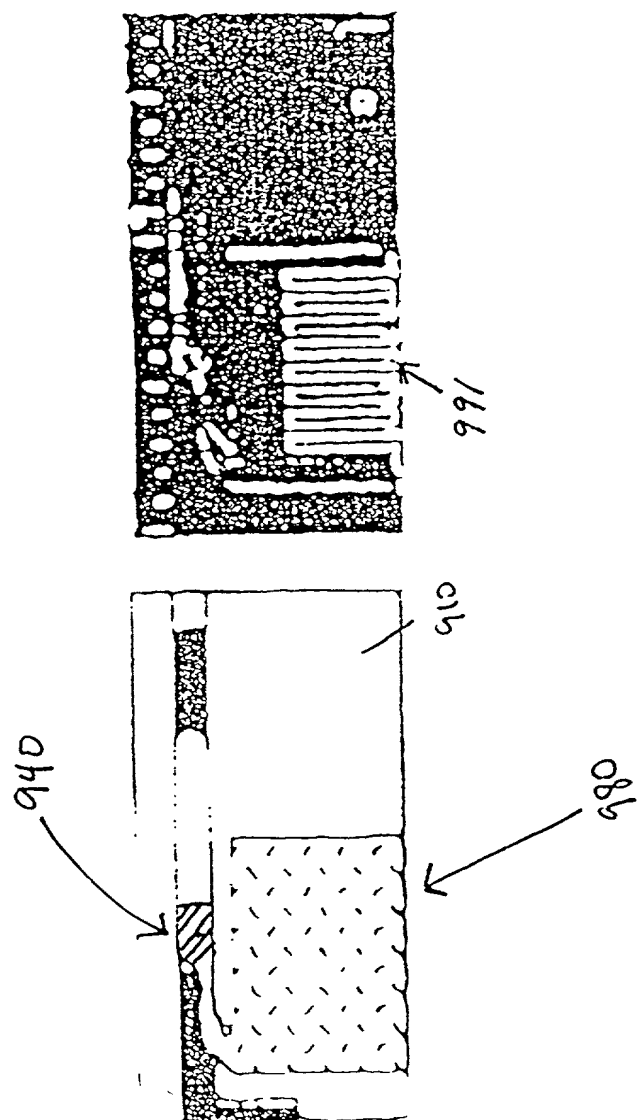


FIGURE 26B

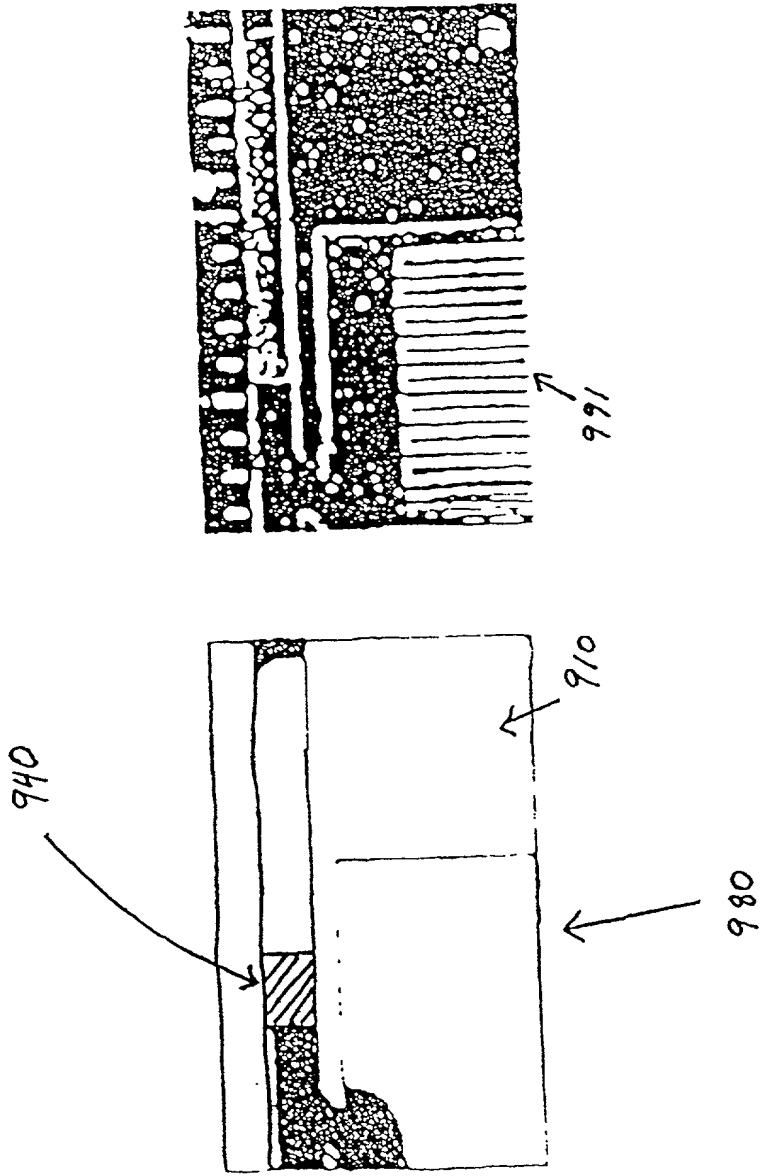


FIGURE 26C

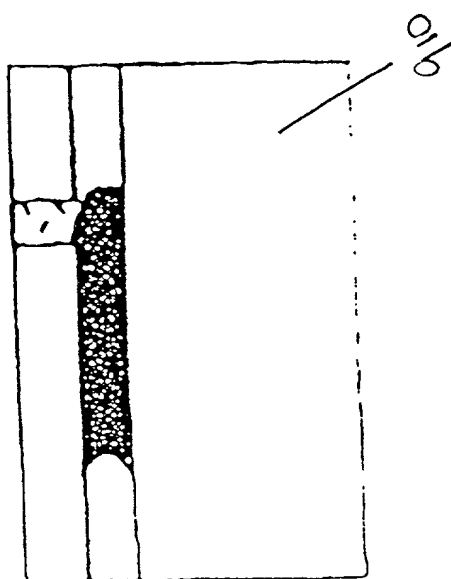
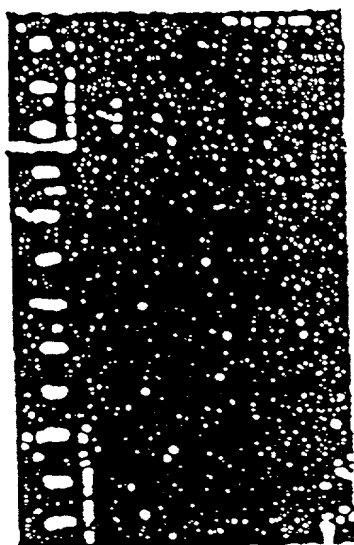


FIGURE 26D

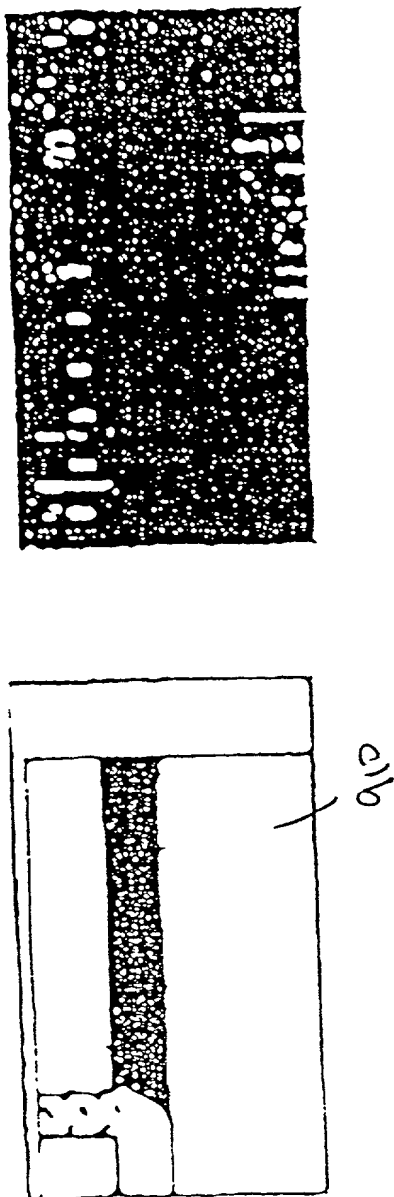


FIGURE 26E